

In Vitro Anergy: Genes Consistently Responsive to Ionomycin Alone

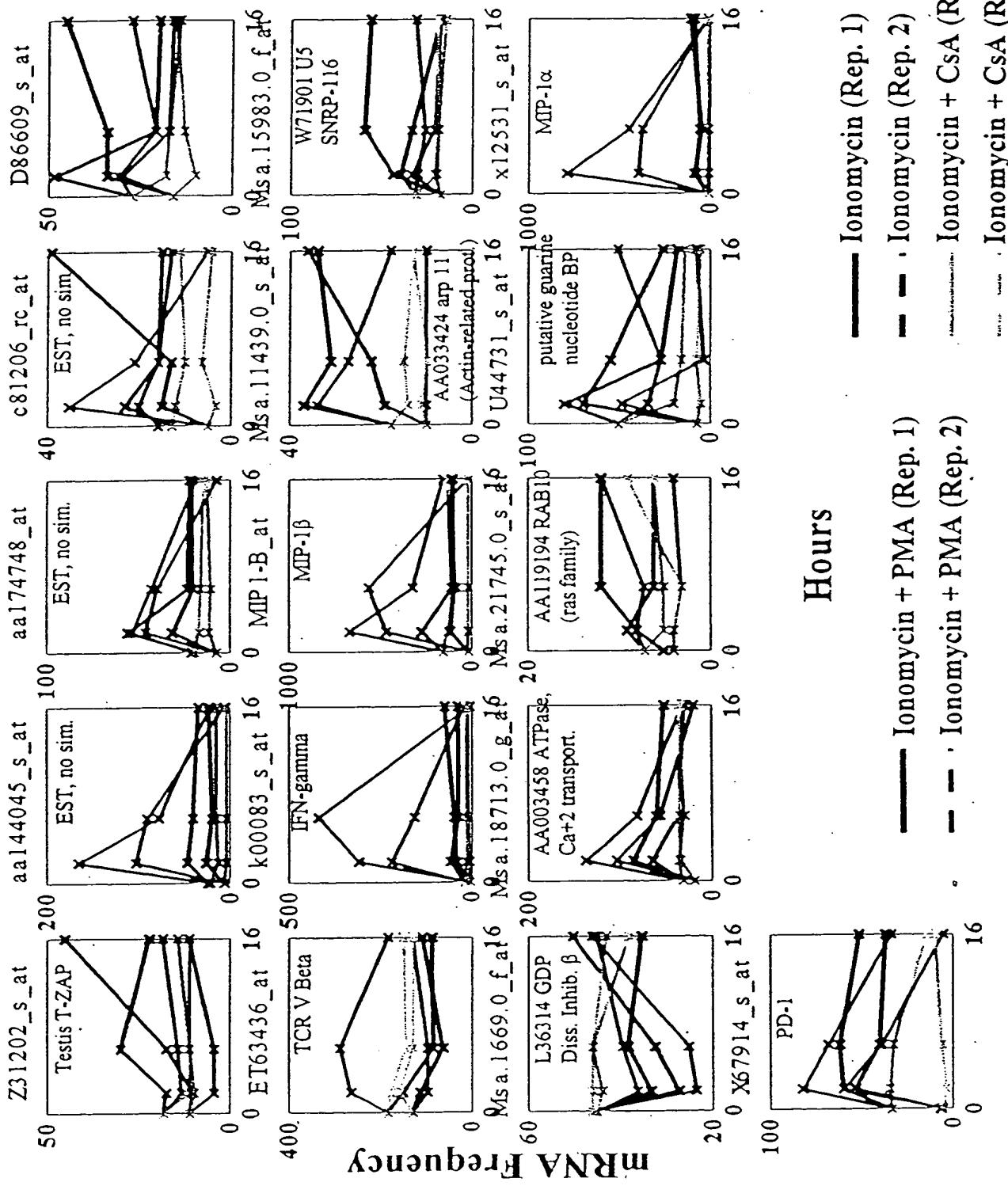


Figure 1

In Vitro Anergy: Genes Consistently Responsive to Ionomycin Alone (19K Chip)

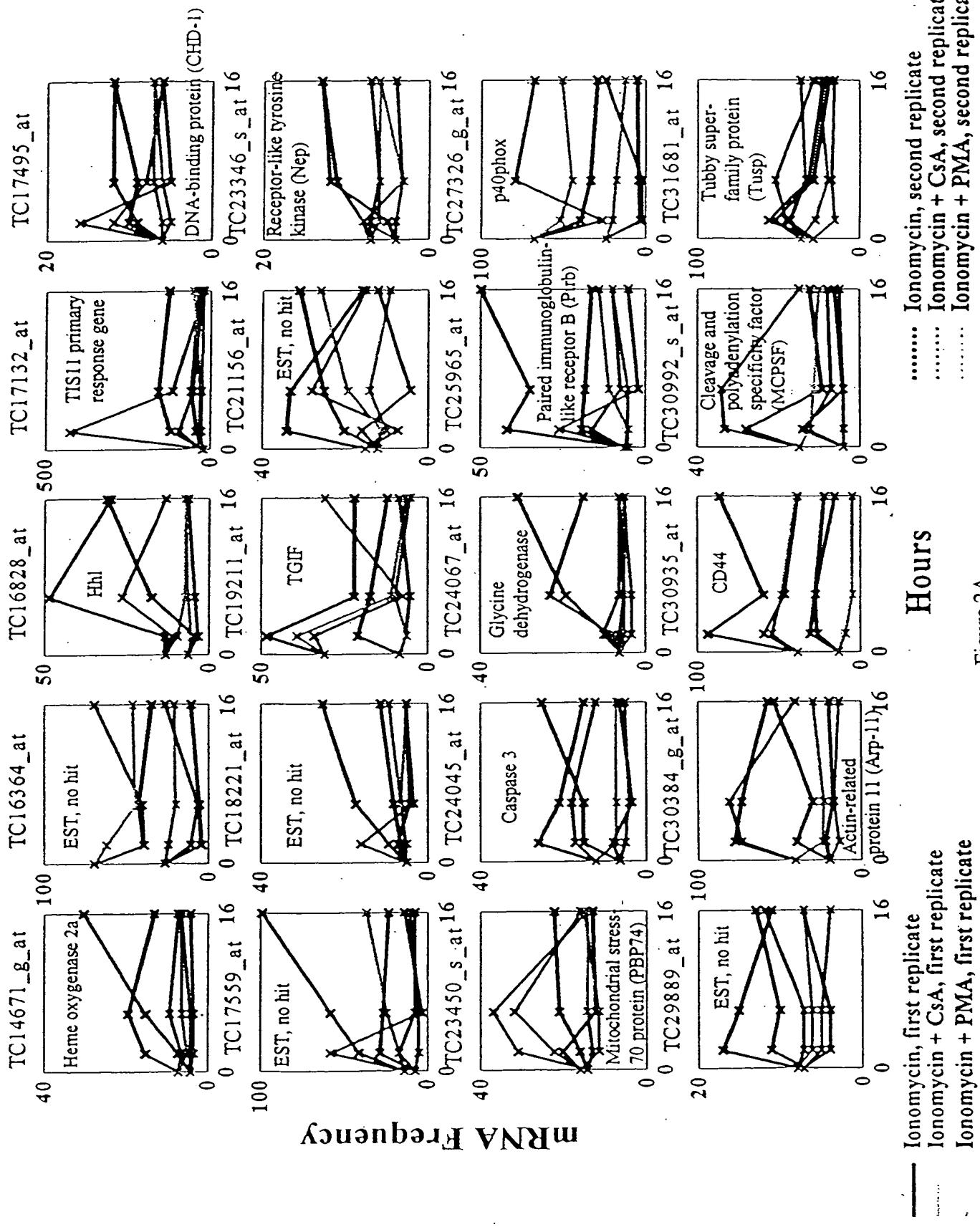
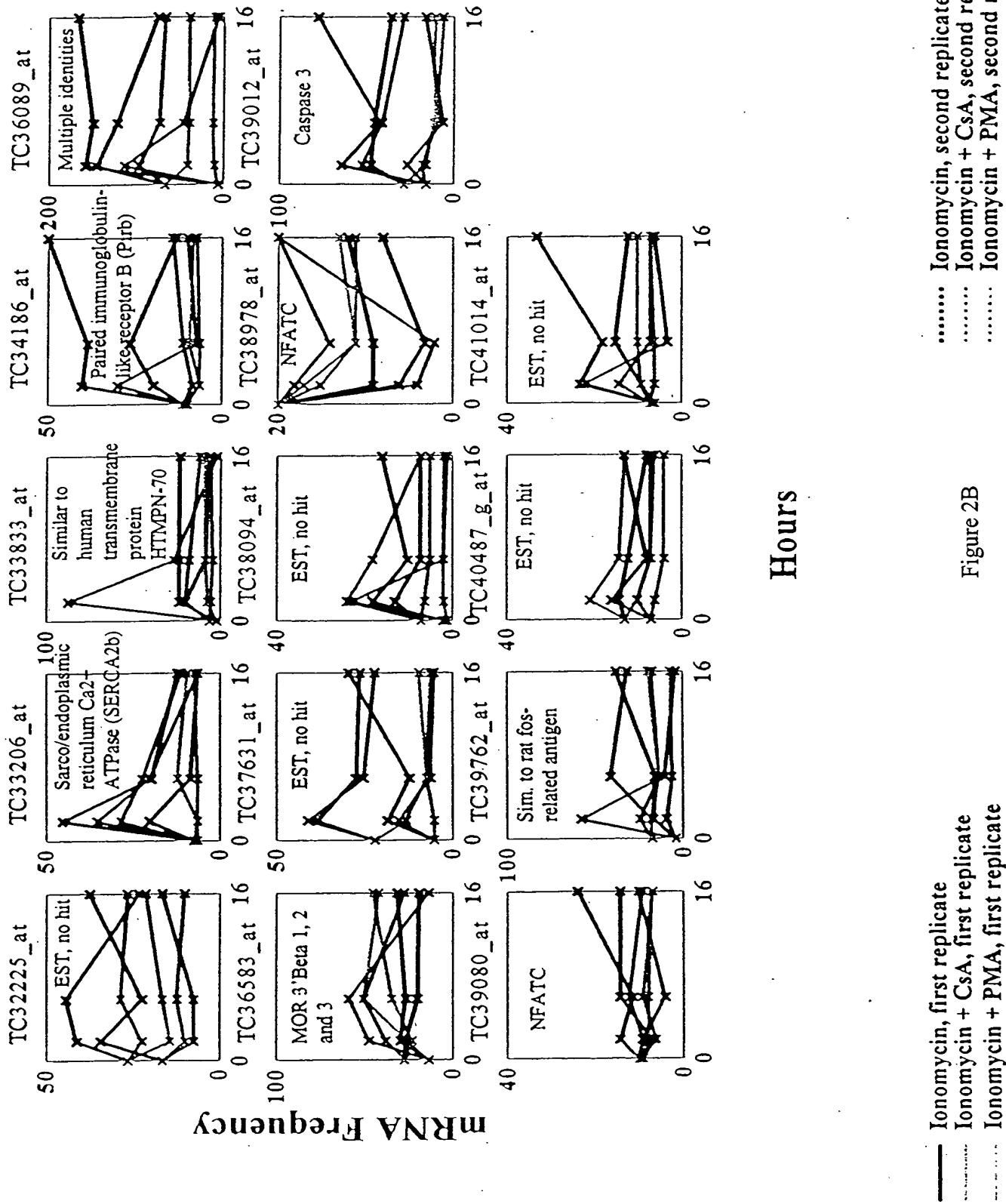


Figure 2A

In Vitro Anergy: Genes Consistently Responsive to Ionomycin Alone (19K Chip)



— Ionomycin, first replicate
 - - - Ionomycin + CsA, first replicate
 Ionomycin + PMA, first replicate

Figure 2B

Expression of Caspase 3 as Measured On the Immunology Chip and the Mu11K Chips

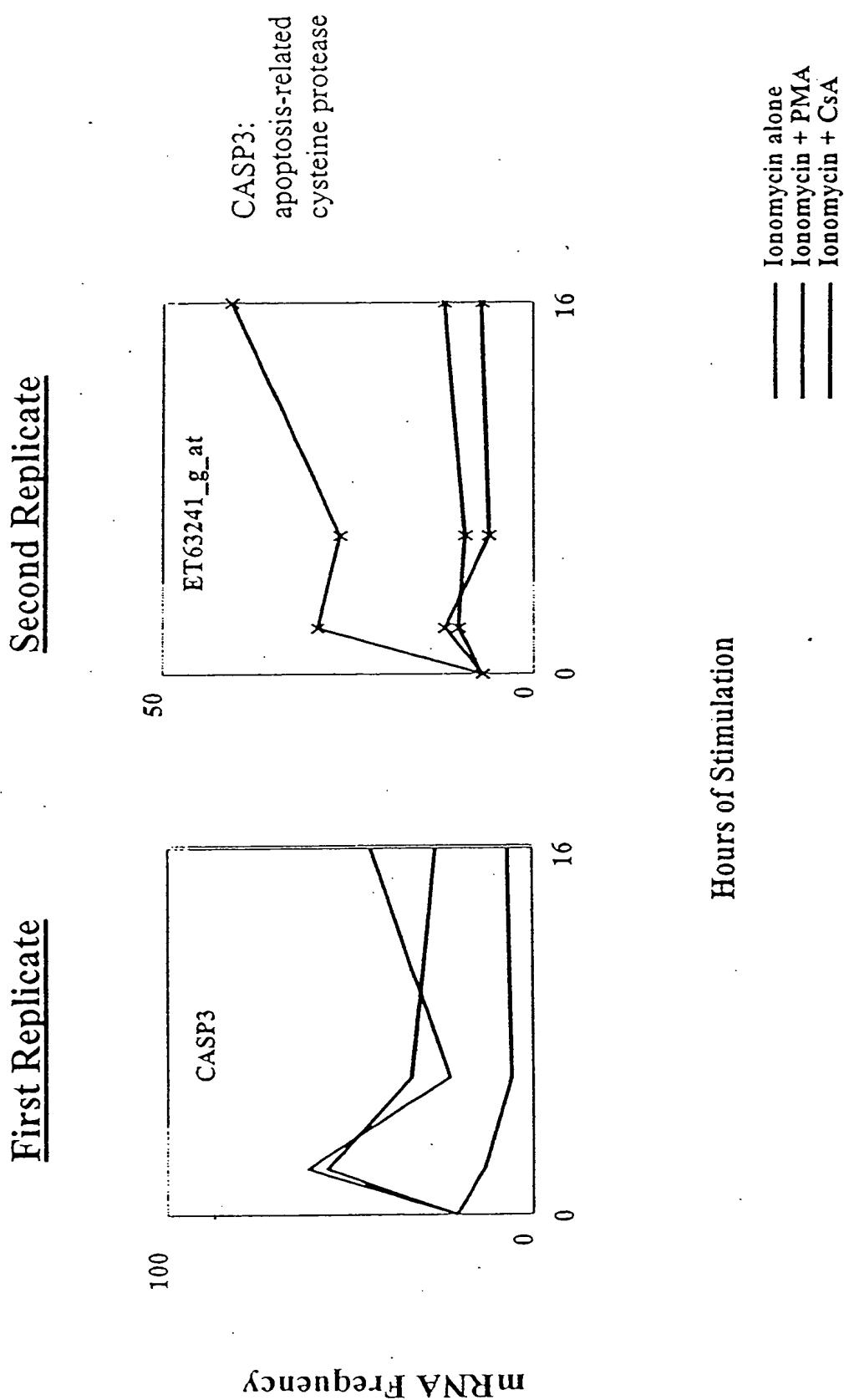
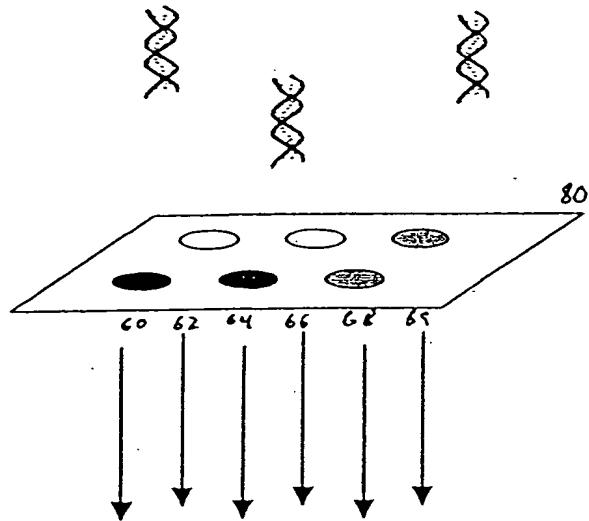


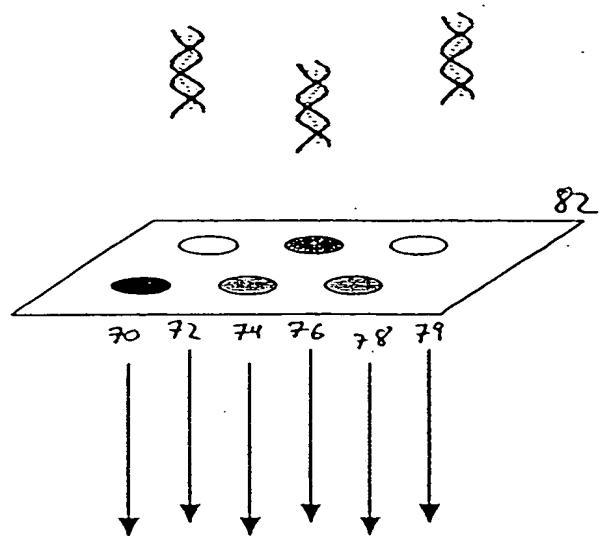
Figure 3

SAMPLE 52



$$\vec{x} = (x_a, x_b, x_c, x_d, x_e, x_f)$$

REFERENCE 54



$$\vec{y} = (y_a, y_b, y_c, y_d, y_e, y_f)$$

$$C = f(\vec{x}, \vec{y}) \quad \text{Eq. 8}$$

Figure 4

Network for Diagnosing A Subject

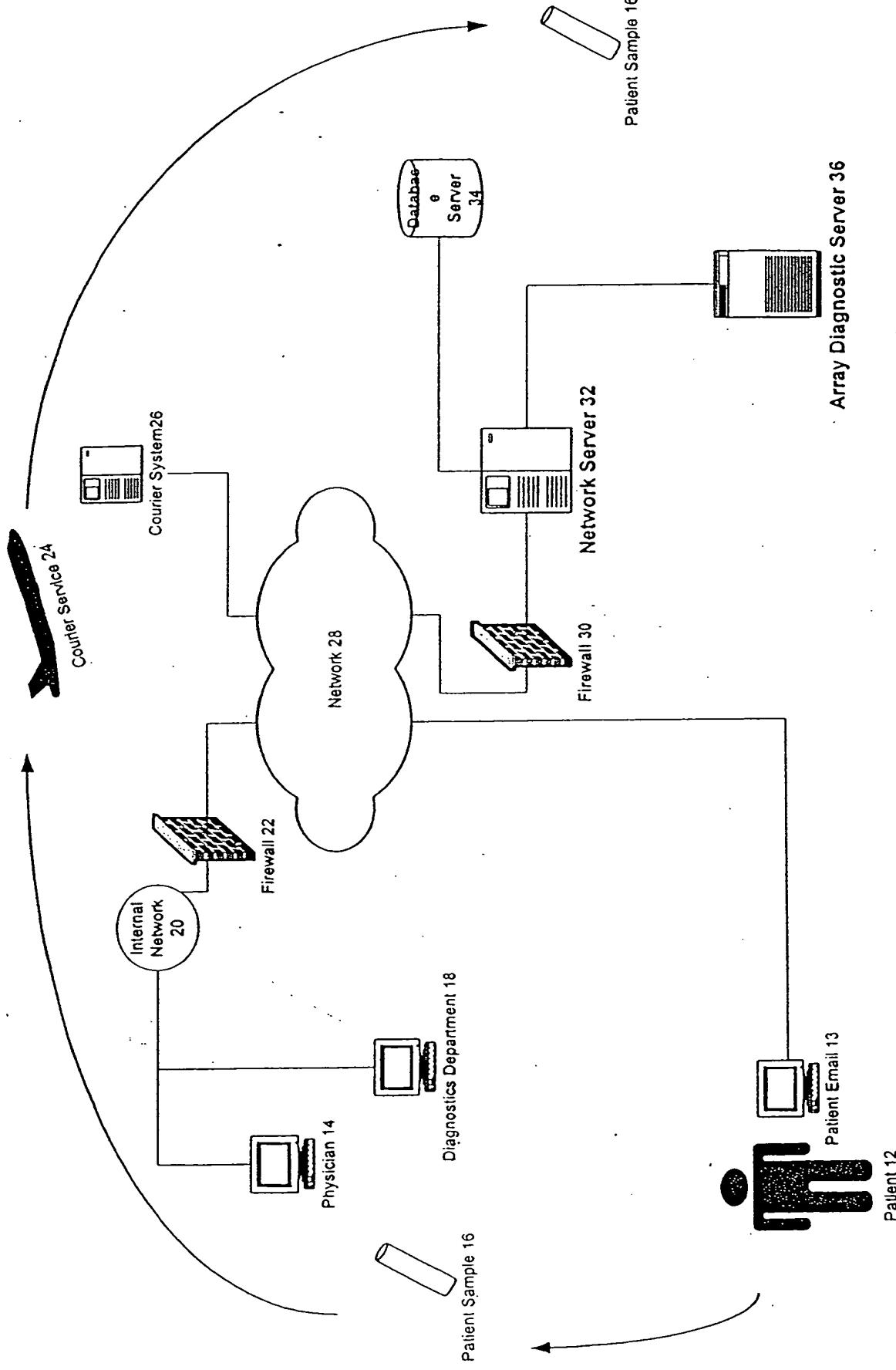


Figure 5

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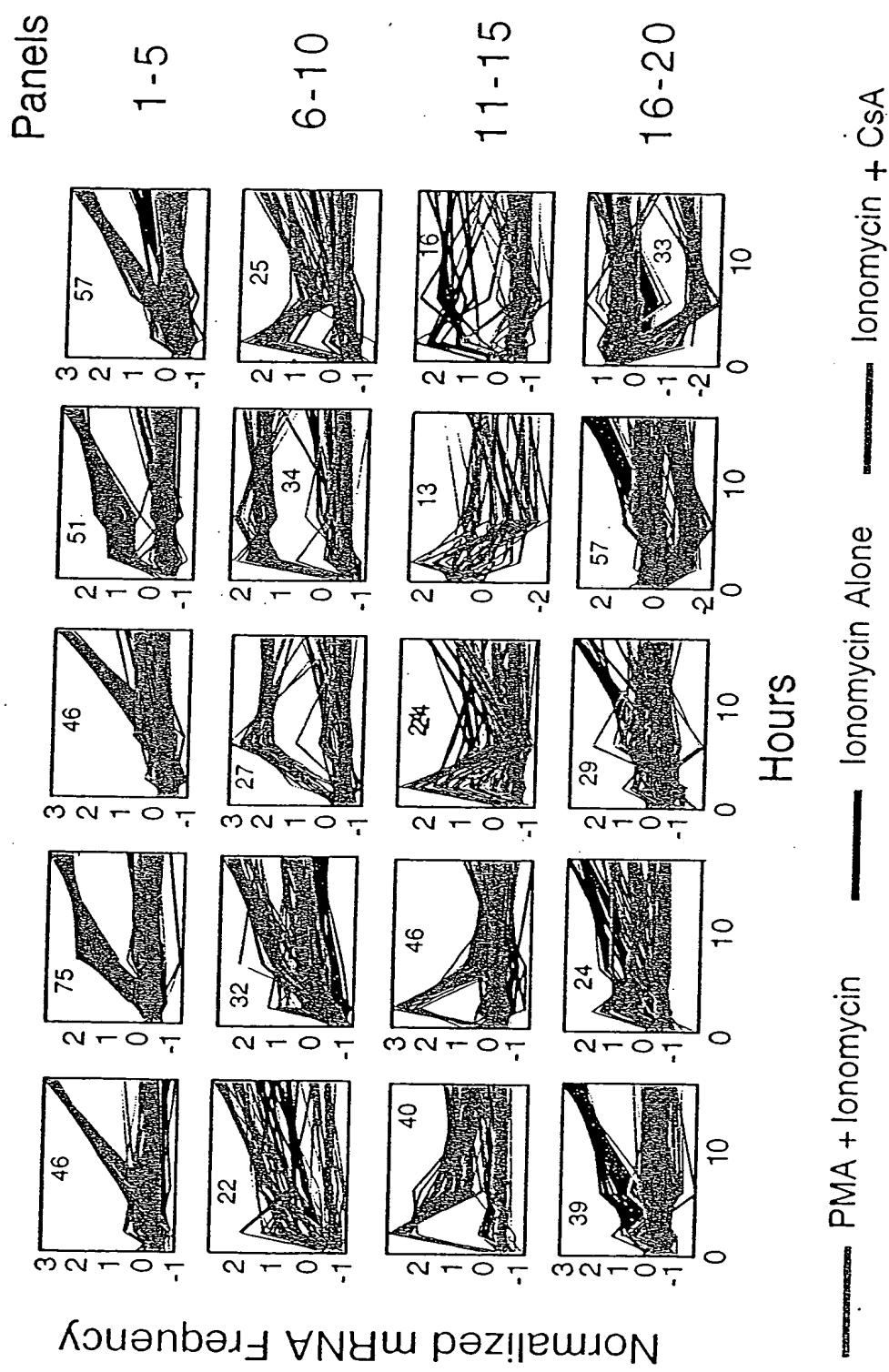


Figure 6A

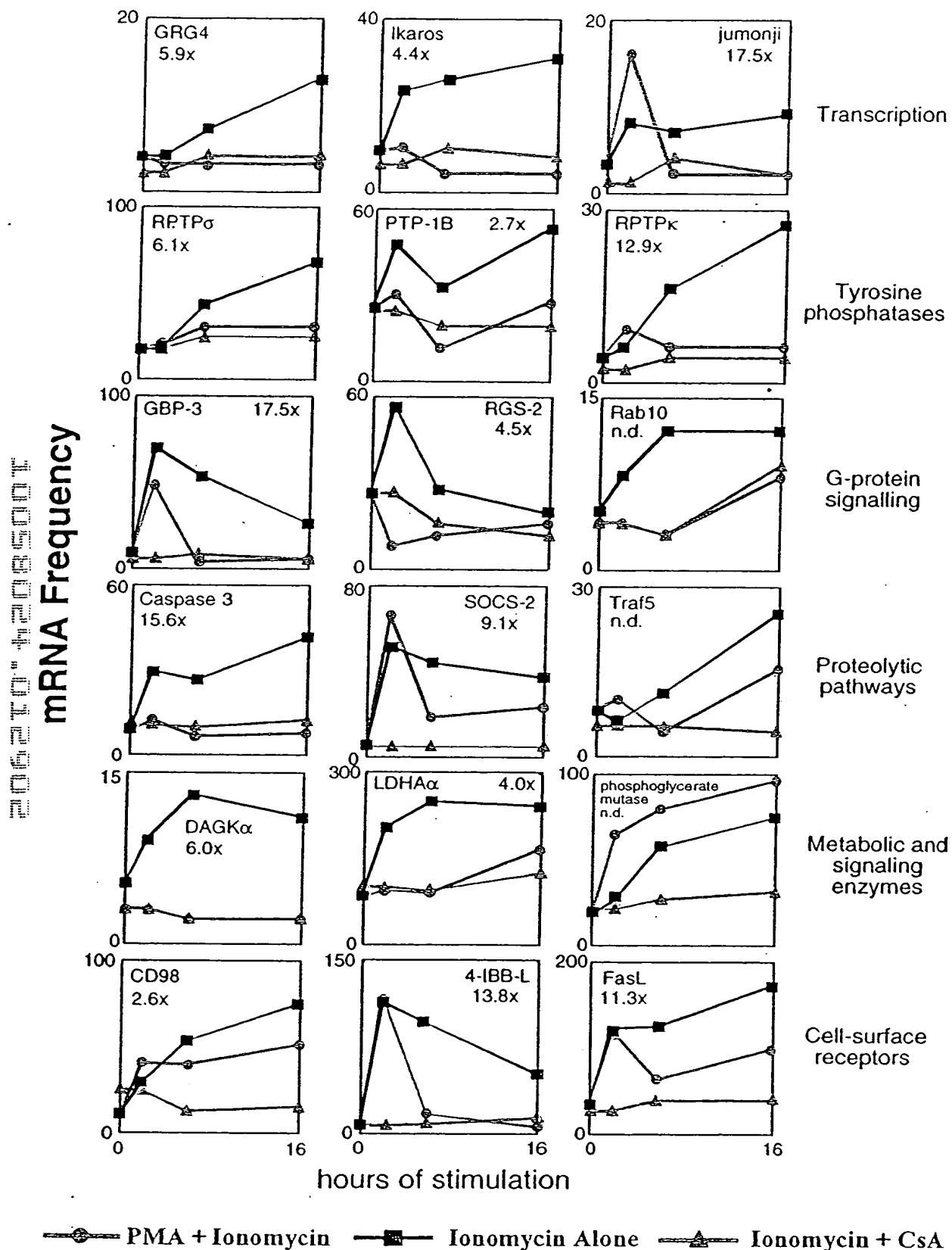


Figure 6B

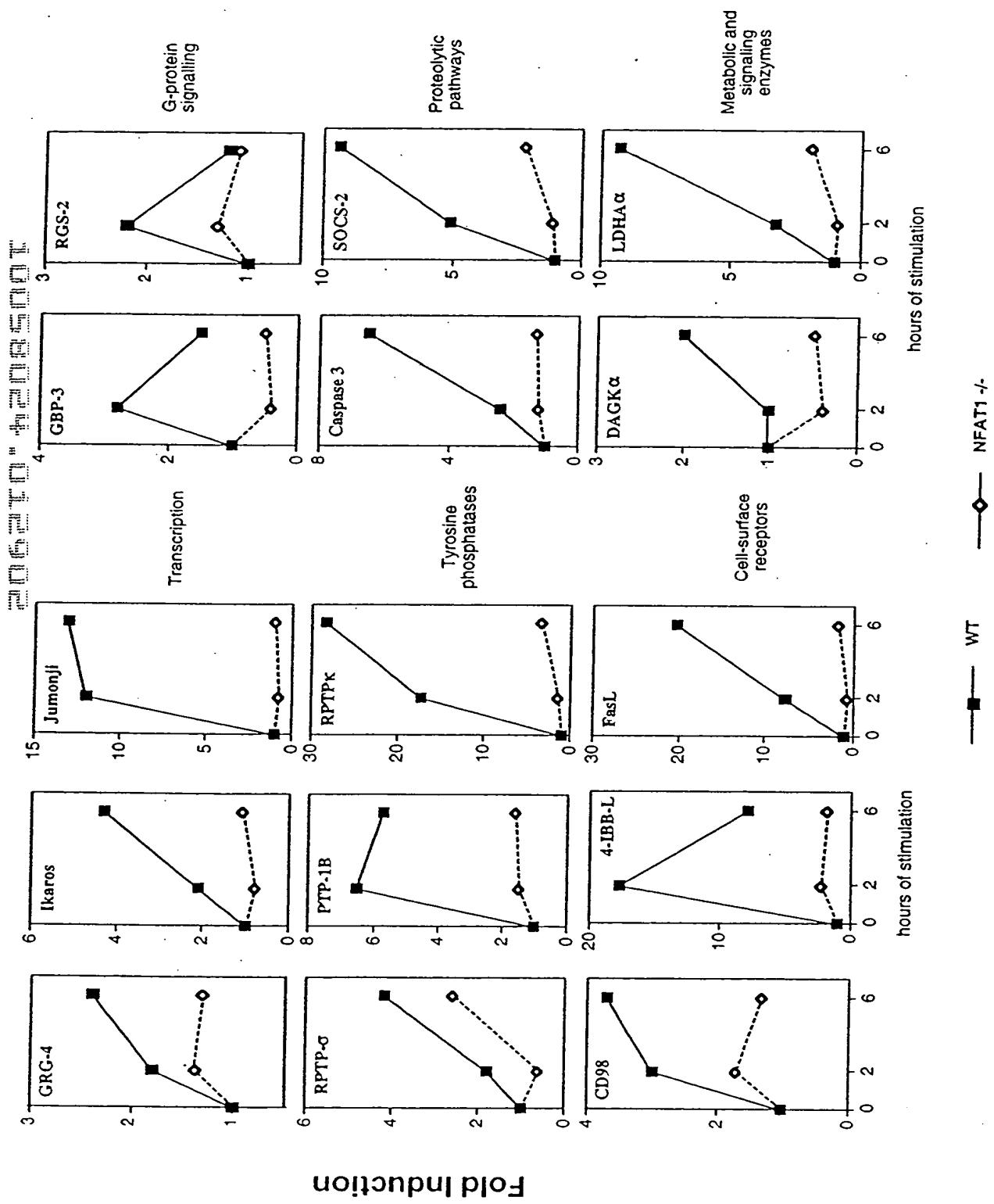


Figure 7A

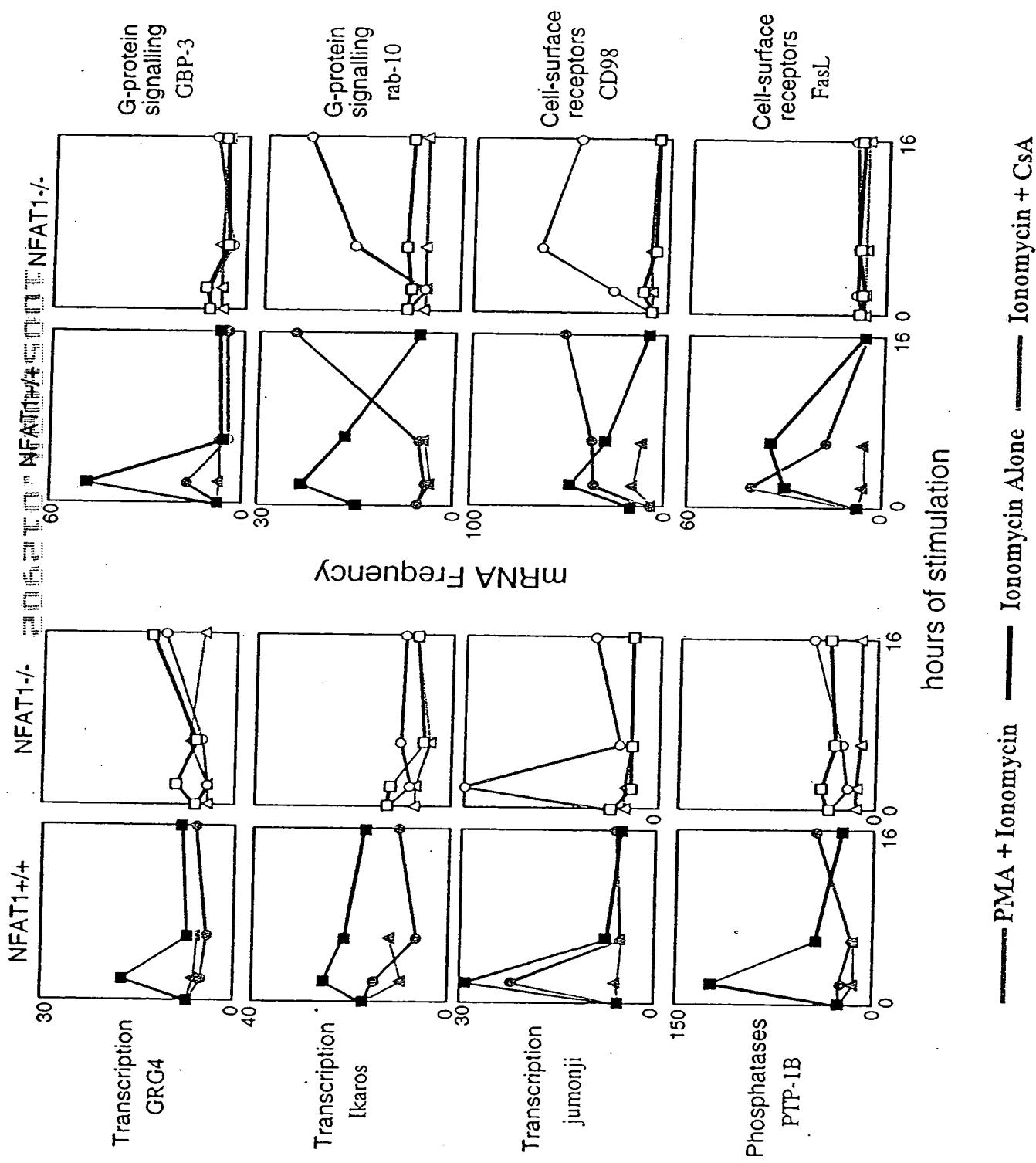
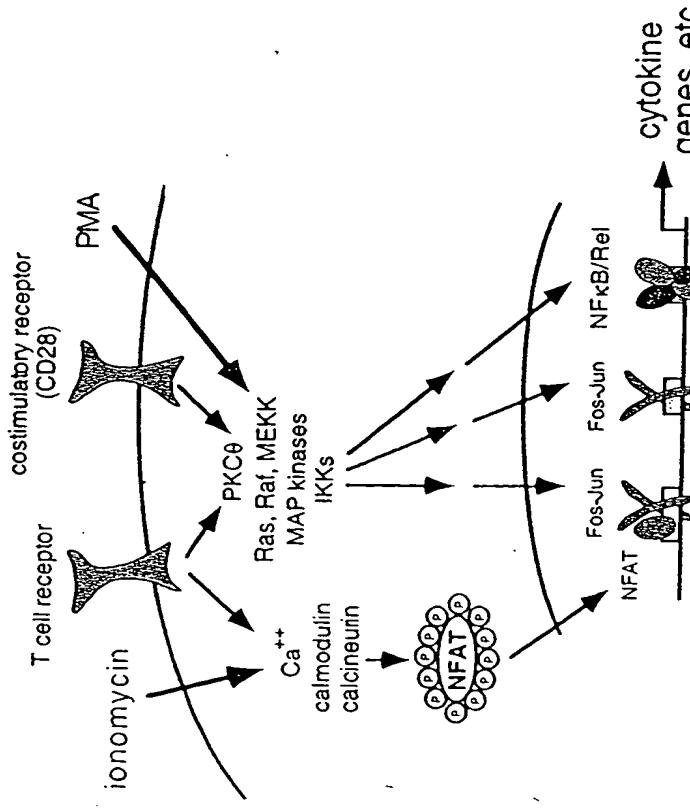


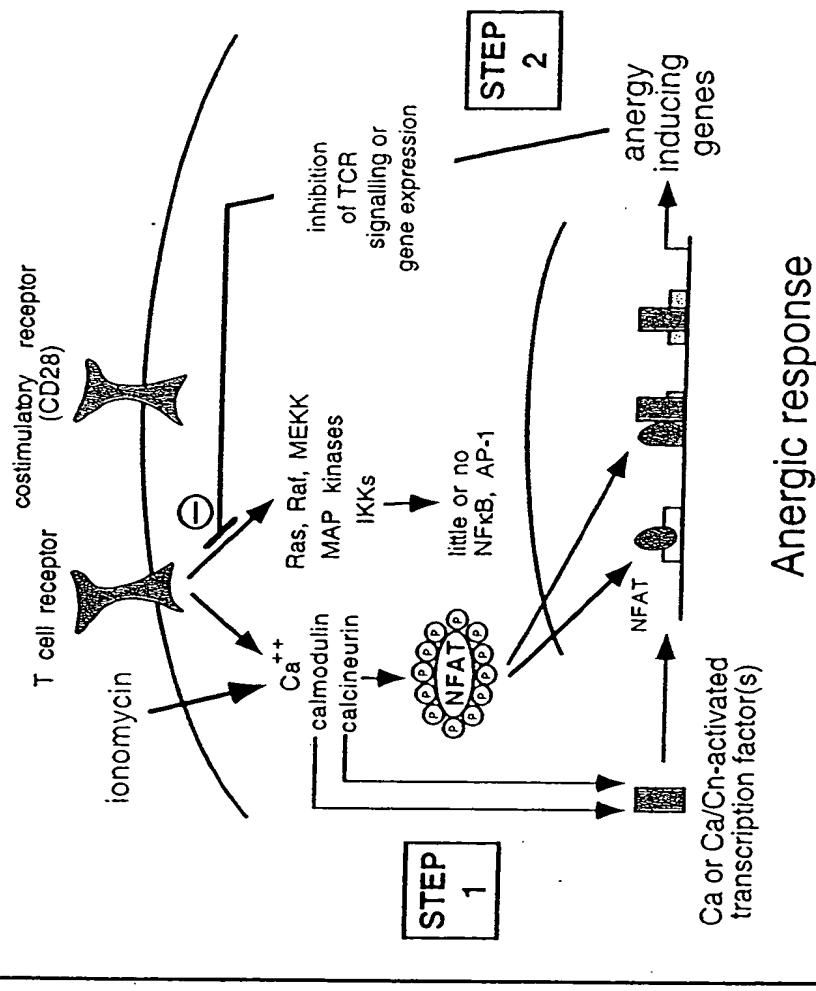
Figure 7B

Normal signalling



Productive response

Incomplete signalling



Anergic response

Figure 8